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| **Specification for** **MT – 262006/CRH** |
| **Flash mounted RHCP** **Reader  Antenna** |
| 902-928 MHz, 8.5 dBic  |

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| --- |
| **REVISION RECORD** |
| **DATE** | **APVD** | **DESCRIPTION** | **ECO** | **REV** |
| 24.4.16 | YAEL H. | RELEASED | DH98 | A |
|  |  |  |  |  |
|  |  |  |  |  |
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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 56 | 55 | 54 | 53 | 52 | 51 | 50 | 49 | 48 | 47 | 46 | 45 | 44 | 43 | SHEET |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  | REV |
| 42 | 41 | 40 | 39 | 38 | 37 | 36 | 35 | 34 | 33 | 32 | 31 | 30 | 29 | SHEET |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  | REV |
| 28 | 27 | 26 | 25 | 24 | 23 | 22 | 21 | 20 | 19 | 18 | 17 | 16 | 15 | SHEET |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  | REV |
| 14 | 13 | 12 | 11 | 10 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 | SHEET |
|  |  |  |  |  |  |  |  |  |  | A | A | A | A | REV |

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| **PRODUCT STATUS:** |
| **[ ]  PRODUCTION** | **[x]  PREPRODUCTION** | **[ ]  IN DEVELOPMENT** | **[ ]  PROPOSAL** |

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| **CONTRACT NO** |
| **DATE** | **SIGN** | **NAME** | **ACTION** |
| **9.2.16** | **YAEL** | **YAEL HARASH** | **PREP** |
| **24.4.16** | **D.Z** | **DANIEL ZERAH** | **CHKD** |
|  |  |  | **CHKD** |
| **24.4.16** | **Y.M** | **YEHUDA MILER** | **CHKD** |
| **20.4.16** | **A.H** | **ASAF HVIV** | **DSGN** |
| **20.4.16** | **M.R** | **MOTI ROSTMY** | **PROJ** |
|  |  |  | **MFG** |
| 20.4.16 | M.G | **MICHA GADOT** | **QA** |
| **24.4.16** | **R.D** | **REUVEN DRORI** | **MARK.** |

 SPECIFICATION

READER ANTENNA

|  |  |
| --- | --- |
| MTI PART NUMBER | MT – 262006/CRH |
| Regulatory Compliance | RoHS , CE 0682 |
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| **1. ELECTRICAL** |  |
|  |  |
| Frequency Range  | 902 - 928 MHz |
| Gain  | 8.5 dBic (min) , 9.5 dBic (max) |
| VSWR | 1.5:1 (max) |
| Azimuth 3 Db Beam width  | 63° (typ) |
| Elevation 3 Db Beam width  | 63° (typ) |
| Polarization | RHCP |
| Side lobes Level @ 90° | -16 dB (max) |
| Axial Ratio At Boresight | 4 dB (max) |
| F/B Ratio | -18 dB (max) -20 dB (typ) |
| Input Impedance | 50 (Ohm) |
| Input Power | 6 W (max) |
| Lightning Protection | DC Grounded |
|  |  |
| 2. MECHANICAL |  |
|  |  |
| Dimensions (LxWxD) | 305x305x25 mm  |
| Weight  | 1.2 kg (max) |
| Connector | Cable with connector SMA Female length 150mm |
| Radome | Plastic  |
| Base Plate | Aluminum with chemical conversion coating |
| Outlin Drawing | RD44025600C |
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| **4. ENVIRONMENTAL** |
| **TEST** | **STANDARD** | **DURATION** | **TEMPERATURE** | **NOTES** |
| Low Temperature | IEC 68-2-1 | 72 h | -55°C | - |
| High Temperature | IEC 68-2-2 | 72 h | +71°C | - |
| Temp. Cycling | IEC 68-2-14 | 1 h | -45°C +70°C  | 3 Cycles |
| Vibration | IEC 60721-3-4  | 30min/axis | - | Random4M3 |
| Shock Mechanical | IEC 60721-3-4 | - | - | 4M3 |
| Humidity | ETSI EN300-2-4 T4.1E | 144 h | - | 95% |
| Water Tightness | IEC 529 | - | - | IP54 |
| Solar Radiation | ASTM G53 | 1000 h | - | - |
| Flammability | UL94 | - | - | CLASS HB |
| Salt Spray | IEC 68-2-11 Ka | 500 h | - | - |
| Ice And Snow | - | - | - | 25mm Radial |
| Wind Speed SurvivalOperation | -- | -- | -- | 220 Km/h160 Km/h |
| Wind Load (Survival):Front ThrustSide Thrust | -- | -- | -- | 26.8 kg2.2 kg |

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